

What is claimed is:

1. A metallic carrier for a catalytic converter comprising:

a corrugated sheet made of metal;

a flat sheet made of metal;

a core formed by superposing the corrugated sheet and flat sheet one on another and by rolling the corrugated sheet and the flat sheet in multiple times;

a brazing foil material wound around an outer periphery of an exhaust gas outlet side of the core; and

a metallic outer cylinder into which an assembly including the core and the brazing foil material is press-fitted, the metallic outer cylinder subjected to heat treatment to diffusionally join the corrugated sheet and flat sheet, and join an inner periphery of the metallic outer cylinder and an outer periphery of the core by a brazing material,

wherein a solder-rising preventing groove is defined over an entire circumference of the inner periphery of the outer cylinder at a position located on an exhaust gas inlet side of an area for joining the core.

2. The metallic carrier as claimed in claim 1, wherein another solder-rising preventing groove is defined over an entire circumference of the inner periphery of the outer cylinder at a position located on the exhaust gas outlet

side of the area for joining the core.

3. A metallic carrier for a catalytic converter comprising:

a metallic outer cylinder defining a groove on an inner surface of the metallic outer cylinder;

a corrugated sheet made of metal;

a flat sheet made of metal;

a core including the corrugated sheet and the flat sheet superposed one on another and rolled in multiple times; and

a brazing material filled in the groove of the metallic outer cylinder, the brazing material joining the core to the metallic outer cylinder at the groove.

4. The metallic carrier as claimed in claim 3, wherein the flat sheet is diffusionally joined with the corrugated sheet.

5. The metallic carrier as claimed in claim 3, wherein the groove is defined over an entire circumference of the inner periphery of the outer cylinder at a position located on an exhaust gas inlet side of an area for joining the core.

6. The metallic carrier as claimed in claim 3, wherein the metallic outer cylinder defines a plurality of grooves on the inner surface thereof.

7. The metallic carrier as claimed in claim 3, wherein an edge of the core is above the groove.